

wherein each of R_1 , and R_2 is H and R_3 is one acyl group containing one or more unsaturated or saturated bonds and containing from 6 to 24 carbon atoms,

together with one or more substances selected from the group consisting of:

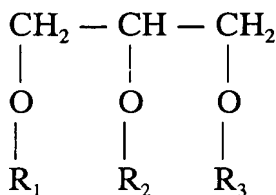
fatty acids containing one or more unsaturated or saturated bonds in the acyl group and containing 6 to 24 carbon atoms;

the percentage of monoglyceride in fatty acid being between 10 to 90%.

63. (New) A vaccine or antigen composition in the form of an oil-in-water suspension or emulsion, comprising:

one or more substances selected from the group consisting of:


monoglyceride preparations having at least 80% monoglyceride content and having a formula



wherein each of R_1 , and R_2 is H and R_3 is one acyl group containing one or more unsaturated or saturated bonds and containing from 6 to 24 carbon atoms,


together with one or more substances selected from the group consisting of:

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 fatty acids containing one or more unsaturated or saturated bonds in the acyl group and containing 6 to 24 carbon atoms; the percentage of monoglyceride in fatty acid being between 10 to 90%, in an amount of 0.01 to 15% of total volume of the composition, and a vaccine or antigen component, and optionally one or more additional adjuvants or excipients.

Please amend the following claims:

40. (Amended) The adjuvant composition according to Claim 62, wherein the monoglyceride preparation content is at least 90 %.

 41. (Amended) The adjuvant composition according to Claim 62 wherein the monoglyceride preparation content is at least 95%.

42. (Amended) The adjuvant composition according to Claim 62 wherein the acyl chains of the monoglyceride preparations contain 8 to 20 carbon atoms and contain one or more unsaturated or saturated bonds.

43. (Amended) The adjuvant composition according to Claim 62 wherein the acyl chains of the monoglyceride preparations contain 14 to 20 carbon atoms and contain one or more unsaturated or saturated bonds.

44. (Amended) The adjuvant composition according to Claim 62 wherein the acyl chains of the fatty acid contain 8 to 20 carbon atoms and contain one or more unsaturated or saturated bonds.

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45. (Amended) The adjuvant composition according to Claim 62 wherein the acyl chains of the fatty acid contain 14 to 20 carbon atoms and contain one or more unsaturated or saturated bonds.

48. (Amended) The adjuvant composition according to Claim 39, wherein the composition comprises additional pharmaceutical excipients selected from the group consisting of preservatives, osmotic pressure controlling agents, pH-controlling agents, organic solvents, enzyme inhibitors, water absorbing polymers, absorption promoters and anti-oxidative agents.

49. (Amended) The adjuvant composition according to Claim 62 wherein the composition comprises additional adjuvants.

51. (Amended) The adjuvant composition according to Claim 62 wherein the composition is in a form suitable for administration to the mucosa of the nose, mouth, vagina, rectum or the intestine.

52. (Amended) The adjuvant composition according to Claim 51 wherein the composition is in a form suitable for administration to the mucosa of the nose.

53. (Amended) A vaccine or antigen composition, wherein the final composition contains:


from 0.01 to 90 % of the antigen/vaccine component

from 0.1 to 20% of a monoglyceride


from 0.1 to 20% of a fatty acid

from 0.01 to 99 % of water


from 0.01 to 99 % of PBS or saline

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and optionally one or more additional adjuvant or excipient.

 55. (Amended) The vaccine or antigen composition according to Claim 63 wherein the monoglyceride preparation content is at least 90 %.

57. (Amended) The vaccine or antigen composition according to Claim 63 wherein the acyl chains of the monoglyceride preparations contain 8 to 20 carbon atoms, and contain one or more unsaturated or saturated bonds.

 58. (Amended) The vaccine or antigen composition according to Claim 57, wherein the acyl chains of the monoglyceride preparations contain 14 to 20 carbon atoms and contain one or more unsaturated or saturated bonds.

59. (Amended) The vaccine or antigen composition according to Claim 63 wherein the acyl chains of the fatty acid contain 8 to 20 carbon atoms and contain one or more unsaturated or saturated bonds.

60. (Amended) The vaccine or antigen composition according to Claim 59, wherein the acyl chains of the fatty acid contain 14 to 20 carbon atoms and contain one or more unsaturated or saturated bonds.